

Application No. 10/000,276
Amendment Dated 9/26/05
Reply to Office Action of 6/28/05

This listing of claims will replace all prior versions, and listings, of claims in the application:

In the Claims:

1. (CURRENTLY AMENDED) A urinary flow control valve comprising:
a double-duckbill valve adapted to fluidly communicate with a urine discharge passageway, said double-duckbill valve having:
an orifice operable to control urine flow therethrough;
a first duckbill structure having a first pair of inclined walls terminating at a first apex; and
a second duckbill structure oriented perpendicular to said first duckbill structure and having a second pair of inclined walls terminating at a second apex;
each of said first and second duckbill structures being generally hollow;
said orifice comprising a single slit formed [[in]] in, and extending generally in the direction of, only one of said first and second apexes.
2. CANCELED.
3. CANCELED.

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4. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 1 further comprising an elastomeric band disposed about said double-duckbill valve and operable to urge said orifice to a closed position.

5. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 1 further comprising:

a valve housing defined by at least one wall; and

an isolation member extending from said wall to said double-duckbill valve, said double-duckbill valve being supported in said valve housing in spaced relationship with said wall by said isolation member.

6. (ORIGINAL) The urinary flow control valve of claim 5, said isolation member being a stem.

7. (ORIGINAL) The urinary flow control valve of claim 6, said stem being flexible.

8. (ORIGINAL) The urinary flow control valve of claim 5, said isolation member being a tubular stem.

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9. (ORIGINAL) The urinary flow control valve of claim 8, said tubular stem being coupled with said double-duckbill valve so as to allow urine to flow through said stem.
10. (ORIGINAL) The urinary flow control valve of claim 9, said valve housing having a discharge outlet, the tubular stem being coupled between said discharge outlet and said double-duckbill valve.
11. (ORIGINAL) The urinary flow control valve of claim 8, said tubular stem being flexible.
12. (ORIGINAL) The urinary flow control valve of claim 1 further comprising:
a valve housing containing said double-duckbill valve;
said valve housing having a discharge outlet operatively coupled with said double-duckbill valve.
13. (ORIGINAL) The urinary flow control valve of claim 1 further comprising a crush limiting member associated with said double-duckbill valve.
14. CANCELED.

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15. (ORIGINAL) The urinary flow control valve of claim 13, said crush limiting member including a blade member disposed within said double-duckbill valve.

16. CANCELED.

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17. (PREVIOUSLY PRESENTED) A flow control valve comprising:
- a valve member having a normally closed orifice;
 - an elastomeric band disposed about said valve member and operable to urge said orifice to a closed position;
 - a flexible valve housing defined by at least one flexible wall; and
 - an isolation member extending from said wall to said valve member, said valve member being supported in said valve housing in spaced relationship with said wall by said isolation member so as to be actuatable.
18. (PREVIOUSLY PRESENTED) The flow control valve of claim 17 wherein said valve member has a groove associate therewith, the elastomeric band being a separate component and situated in said groove.
19. (PREVIOUSLY PRESENTED) The flow control valve of claim 17 wherein said valve member has a base and at least a pair of inclined walls extending from said base at respective junctures of said inclined walls with said base, said band being positioned inwardly of said junctures of said inclined walls with said base.
20. CANCELED.

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21. (PREVIOUSLY PRESENTED) The flow control valve of claim 17, said isolation member being a stem.
22. (ORIGINAL) The flow control valve of claim 21, said stem being flexible.
23. (PREVIOUSLY PRESENTED) The flow control valve of claim 17, said isolation member being a tubular stem.
24. (ORIGINAL) The flow control valve of claim 23, said tubular stem being coupled with said valve member so as to allow fluid to flow through said stem.
25. (ORIGINAL) The flow control valve of claim 23, said tubular stem being flexible.
26. (ORIGINAL) The flow control valve of claim 17 further comprising a crush limiting member associated with said valve member.
27. CANCELED.
28. (ORIGINAL) The flow control valve of claim 26, said crush limiting member including a blade member disposed within said valve member.

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29. CANCELED.

30. (PREVIOUSLY PRESENTED) The flow control valve of claim 17, said orifice being defined by a single slit.

31. (ORIGINAL) The flow control valve of claim 17, said valve member being a double-duckbill valve.

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32. (CURRENTLY AMENDED) A flow control valve comprising:

a valve member having a normally closed orifice;

a valve housing; and

an isolation member extending between said valve housing and said valve member whereby to support said valve member in spaced relationship to said valve housing, said isolation member supporting said valve member so as to resist accidental actuation of said valve member;

said isolation member being a stem.

33. CANCELED.

34. (PREVIOUSLY PRESENTED) The flow control valve of claim 32, said stem being flexible.

35. (PREVIOUSLY PRESENTED) The flow control valve of claim 32, said stem being tubular.

36. (ORIGINAL) The flow control valve of claim 35, said tubular stem being coupled with said valve member so as to allow fluid to flow through said stem.

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37. (ORIGINAL) The flow control valve of claim 35, said tubular stem being flexible.

38. (ORIGINAL) The flow control valve of claim 32 further comprising a crush limiting member associated with said valve member.

39. CANCELED.

40. (ORIGINAL) The flow control valve of claim 38, said crush limiting member including a blade member disposed within said valve member.

41. CANCELED.

42. (PREVIOUSLY PRESENTED) The flow control valve of claim 32, said orifice being defined by a single slit.

43. (ORIGINAL) The flow control valve of claim 32, said valve member being a double-duckbill valve.

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44. CANCELED.

45. CANCELED.

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50. (CURRENTLY AMENDED) A urinary catheter comprising:

a urine discharge passageway;

a urinary flow control valve associated with said urine discharge
passageway;

said urinary flow control valve being a double-duckbill valve;

said double-duckbill valve having:

an orifice operable to control urine flow therethrough;

a first duckbill structure having a first pair of inclined walls
terminating at a first apex; and

a second duckbill structure oriented perpendicular to said first
duckbill structure and having a second pair of inclined walls terminating at a second
apex;

each of said first and second duckbill structures being generally
hollow;

said orifice comprising a single slit formed [[in]] in, and extending
generally in the direction of, only one of said first and second apexes.

51. CANCELED.

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53. (PREVIOUSLY PRESENTED) The urinary catheter of claim 50 further comprising an elastomeric band disposed about said double-duckbill valve and operable to urge said orifice to a closed position.

54. (PREVIOUSLY PRESENTED) The urinary catheter of claim 50 further comprising:
a valve housing defined by at least one wall; and
an isolation member extending from said wall to said double-duckbill valve, said double-duckbill valve being supported in said valve housing in spaced relationship with said wall by said isolation member.

55. (ORIGINAL) The urinary catheter of claim 50, further comprising a crush limiting member associated with said double-duckbill valve.

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56. (CURRENTLY AMENDED) A urinary flow control valve comprising:
a double-duckbill valve adapted to fluidly communicate with a urine discharge passageway, said double-duckbill valve having:
an orifice operable to control urine flow therethrough;
a first duckbill structure terminating at a first apex; and
a second duckbill structure oriented perpendicular to said first duckbill structure and terminating at a second apex;
said orifice comprising a single slit formed [[in]] in, and extending generally in the direction of, only one of said first and second apexes; and
an elastomeric band disposed about said double-duckbill valve and operable to urge said orifice to a closed position.

57. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 56 further comprising:
a valve housing defined by at least one wall; and
an isolation member extending from said wall to said double-duckbill valve, said double-duckbill valve being supported in said valve housing in spaced relationship with said wall by said isolation member.

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58. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 57, said isolation member being a stem.

59. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 58, said stem being flexible.

60. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 57, said isolation member being a tubular stem.

61. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 60, said tubular stem being coupled with said double-duckbill valve so as to allow urine to flow through said stem.

62. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 61, said valve housing having a discharge outlet, the tubular stem being coupled between said discharge outlet and said double-duckbill valve.

63. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 60, said tubular stem being flexible.

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64. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 56
further comprising:

a valve housing containing said double-duckbill valve;

said valve housing having a discharge outlet operatively coupled with said
double-duckbill valve.

65. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 56
further comprising a crush limiting member associated with said double-duckbill valve.

66. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 65, said
crush limiting member including a blade member disposed within said double-duckbill
valve.

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67. (CURRENTLY AMENDED) A urinary catheter comprising:

a urine discharge passageway;

a urinary flow control valve associated with said urine discharge
passageway;

said urinary flow control valve being a double-duckbill valve;

said double-duckbill valve having:

an ~~[[inlet]]~~ orifice operable to control urine flow therethrough;

a first duckbill structure having a first pair of inclined walls
terminating at a first apex;

a second duckbill structure oriented perpendicular to said first
duckbill structure and having a second pair of inclined walls terminating at a second
apex;

said orifice comprising a single slit formed ~~[[in]]~~ in, and extending
generally in the direction of, only one of said first and second apices; and

an elastomeric band disposed about said double-duckbill valve and
operable to urge said ~~[[inlet]]~~ orifice to a closed position.

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69. (PREVIOUSLY PRESENTED) The urinary catheter of claim 67 further comprising:

a valve housing defined by at least one wall; and

an isolating member extending from said wall to said double-duckbill valve, said double-duckbill valve being supported in said valve housing in spaced relationship with said wall by said isolating member.

70. (PREVIOUSLY PRESENTED) The urinary catheter of claim 69, said isolation member being a stem.

71. (PREVIOUSLY PRESENTED) The urinary catheter of claim 70, said stem being flexible.

72. (PREVIOUSLY PRESENTED) The urinary catheter of claim 69, said isolation member being a tubular stem.

73. (PREVIOUSLY PRESENTED) The urinary catheter of claim 72, said tubular stem being coupled with said double-duckbill valve so as to allow urine to flow through said stem.

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74. (PREVIOUSLY PRESENTED) The urinary catheter of claim 73, said valve housing having a discharge outlet, the tubular stem being coupled between said discharge outlet and said double-duckbill valve.

75. (PREVIOUSLY PRESENTED) The urinary catheter of claim 72, said tubular stem being flexible.

76. (PREVIOUSLY PRESENTED) The urinary catheter of claim 67 further comprising:

a valve housing containing said double-duckbill valve;

said valve housing having a discharge outlet operatively coupled with said double-duckbill valve.

77. (PREVIOUSLY PRESENTED) The urinary catheter of claim 67 further comprising a crush limiting member associated with said double-duckbill valve.

78. (PREVIOUSLY PRESENTED) The urinary catheter of claim 77, said crush limiting member including a blade member disposed within said double-duckbill valve.

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79. (CURRENTLY AMENDED) A urinary catheter comprising:

a urine discharge passageway;

a urinary flow control valve associated with said urine discharge
passageway;

said urinary flow control valve being a double-duckbill valve;

said double-duckbill valve having an orifice operable to control urine flow
therethrough;

a valve housing defined by at least one wall; and

an isolation member extending from said wall to said double-duckbill
valve, said double-duckbill valve being supported in said valve housing in spaced
relationship with said wall by said isolation member, said isolation member supporting
said double-duckbill valve so as to resist accidental actuation of said double-duckbill
valve.

80. (CURRENTLY AMENDED) The urinary catheter of claim 79, the double-duckbill
valve having:

a first duckbill structure having a first pair of inclined walls terminating at a
first apex; and

a second duckbill structure oriented perpendicular to said first duckbill
structure and having a second pair of inclined walls terminating at a second apex;

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said orifice comprising a single slit formed [[in]] in, and extending generally in the direction of, only one of said first and second apexes.

81. (PREVIOUSLY PRESENTED) The urinary catheter of claim 79, said isolation member being a stem.

82. (PREVIOUSLY PRESENTED) The urinary catheter of claim 81, said stem being flexible.

83. (PREVIOUSLY PRESENTED) The urinary catheter of claim 79, said isolation member being a tubular stem.

84. (PREVIOUSLY PRESENTED) The urinary catheter of claim 83, said tubular stem being coupled with said double-duckbill valve so as to allow urine to flow through said stem.

85. (PREVIOUSLY PRESENTED) The urinary catheter of claim 84, said valve housing having a discharge outlet, the tubular stem being coupled between said discharge outlet and said double-duckbill valve.

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86. (PREVIOUSLY PRESENTED) The urinary catheter of claim 83, said tubular stem being flexible.

87. (PREVIOUSLY PRESENTED) The urinary catheter of claim 79 further comprising a crush limiting member associated with said double-duckbill valve.

88. (PREVIOUSLY PRESENTED) The urinary catheter of claim 87, said crush limiting member including a blade member disposed within said double-duckbill valve.

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89. (CURRENTLY AMENDED) A urinary catheter, comprising:

a urine discharge passageway;

a valve member associated with said urine discharge passageway and
having a normally closed orifice operable to control urine flow therethrough;

a valve housing defined by at least one wall; and

an isolation member extending from said wall to said valve member, said
valve member being supported in said valve housing in spaced relationship with said
wall by said isolation member, said isolation member supporting said valve member so
as to resist accidental actuation of said valve member.

90. (PREVIOUSLY PRESENTED) The urinary catheter of claim 89, said isolation
member being a stem.

91. (PREVIOUSLY PRESENTED) The urinary catheter of claim 90, said stem
being flexible.

92. (PREVIOUSLY PRESENTED) The urinary catheter of claim 89, said isolation
member being a tubular stem.

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93. (PREVIOUSLY PRESENTED) The urinary catheter of claim 92, said tubular stem being coupled with said valve member so as to allow urine to flow through said stem.

94. (PREVIOUSLY PRESENTED) The urinary catheter of claim 93, said valve housing having a discharge outlet, the tubular stem being coupled between said discharge outlet and said valve member.

95. (PREVIOUSLY PRESENTED) The urinary catheter of claim 92, said tubular stem being flexible.

96. (CURRENTLY AMENDED) The urinary catheter of claim 89 further comprising a crush limiting member associated with said ~~double-duckbill~~ valve member.

97. (CURRENTLY AMENDED) The urinary catheter of claim 96, said crush limiting member including a blade member disposed within said ~~double-duckbill~~ valve member.

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98. (PREVIOUSLY PRESENTED) A urinary flow control valve comprising:
a valve member adapted to fluidly communicate with a urine discharge
passageway and having an orifice operable to control urine flow therethrough;
a flexible valve housing defined by at least one flexible wall; and
an isolation member extending from said wall to said valve member, said
valve member being supported in said valve housing in spaced relationship with said
wall by said isolation member so as to be actuatable.
99. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 98, said
isolation member being a stem.
100. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 99, said
stem being flexible.
101. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 98, said
isolation member being a tubular stem.

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102. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 101, said tubular stem being coupled with said valve member so as to allow urine to flow through said stem.

103. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 102, said valve housing having a discharge outlet, the tubular stem being coupled between said discharge outlet and said valve member.

104. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 101, said tubular stem being flexible.

105. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 98 further comprising a crush limiting member associated with said valve member.

106. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 105, said crush limiting member including a blade member disposed within said valve member.

107. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 5 wherein said valve housing is flexible and is defined by at least one flexible wall.

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108. (PREVIOUSLY PRESENTED) The urinary flow control valve of claim 57 wherein said valve housing is flexible and is defined by at least one flexible wall.

109. (PREVIOUSLY PRESENTED) The urinary catheter of claim 69 wherein said valve housing is flexible and is defined by at least one flexible wall.

110. (PREVIOUSLY PRESENTED) The flow control valve of claim 32 wherein said valve member is contained within said valve housing.

111. (PREVIOUSLY PRESENTED) The urinary catheter of claim 89 wherein said valve housing is flexible and is defined by at least one flexible wall.